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(54) **Interface for expansion module and expansion module bay**

(57) In an expansion module 10 including a housing 12 having an interior, an end cap 24 connected to the housing 12 at one end, and an interface device 80 positioned in the housing 12 interior, the end cap 24 includes at least two throughholes 30, 32 to the housing 12 interior and at least two alignment receptacles 34, 36. The interface device 80 receives a) a standard data connector 74 via a end cap throughhole 30 and b) a power connector 76 via another end cap throughhole 32. The interface

device 80 includes an expansion device connector internal to the housing 12 interior for providing at least one of data and power to an expansion device. An expansion module bay 60 including a module sleeve 62 having an opening for receiving the expansion module 10 is described. The expansion module bay 60 further includes a connector 70 connected to an end of the module sleeve 62 for connecting to the received expansion module 10, and a door 66 covering the module receiving opening.

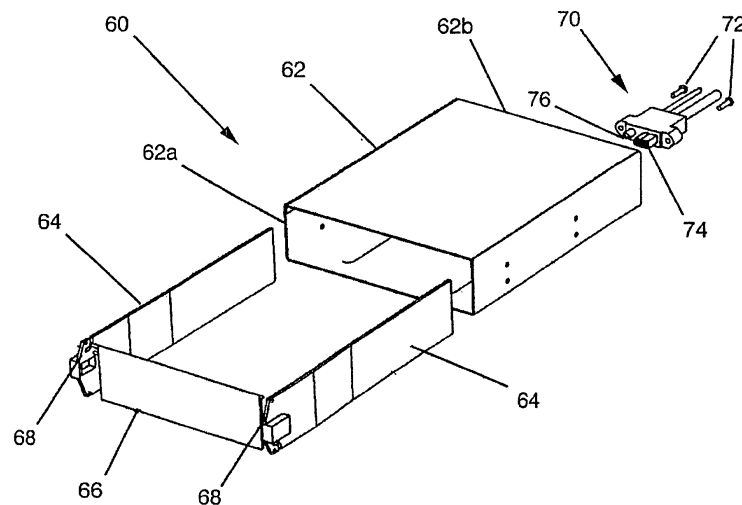


Figure 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 05 25 2742

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2004/017159 A (AUDAVI CORP [US]; KACZEUS STEVEN L SR [US]; KACZEUS STEVEN L JR [US];) 26 February 2004 (2004-02-26) * abstract; figures 1,2a-2c,9,10a-10d * * page 7, line 27 - page 8, line 8 * * page 10, line 3 - page 11, line 12 * * page 12, line 10 - line 18 * -----	1-10	INV. G06F1/16 ADD. G06F1/18
X	EP 0 426 414 A (TOKYO SHIBAURA ELECTRIC CO [JP]) 8 May 1991 (1991-05-08) * abstract; figure 1 * * column 2, line 29 - column 3, line 19 * -----	1-10	
X	US 6 064 566 A (AGATA HIROAKI [JP] ET AL) 16 May 2000 (2000-05-16) * abstract; figures 3,4,6 * * column 7, line 20 - column 8, line 42 * -----	1-10	
A	US 2003/099094 A1 (COLES HENRY C [US] ET AL) 29 May 2003 (2003-05-29) * abstract; figures 3-5 * -----	1-10	TECHNICAL FIELDS SEARCHED (IPC)
A	US 2001/001529 A1 (BEHL SUNNY [US] ET AL) 24 May 2001 (2001-05-24) * abstract; figure 3 * -----	1-10	G06F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 October 2007	Examiner SUAREZ Y GONZALEZ, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 25 2742

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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11-10-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004017159	A	26-02-2004	AU 2003259099 A1 US 2004032711 A1	03-03-2004 19-02-2004
EP 0426414	A	08-05-1991	JP 3142771 A	18-06-1991
US 6064566	A	16-05-2000	JP 3342650 B2 JP 11110081 A	11-11-2002 23-04-1999
US 2003099094	A1	29-05-2003	US 2004022034 A1	05-02-2004
US 2001001529	A1	24-05-2001	NONE	